

### Summary of Autism/ASD Prevalence Studies

Author	Year published	Country	Time period studied	Age range studied	Number of children in population	Criteria used	Methodology used	Prevalence and Confidence Intervals for autism/ASD	IQ < 70 (%)
Lotter	1966	England	1964	8 to 10	78,000	Kanner	Case enumeration and direct exam	0.45 (0.31-0.62) 0.43	84
Brask	1970	Denmark	1962	2 to 14	46,500	Kanner	Case enumeration	(0.26-0.66) 0.07-0.31	NR
Treffert	1970	USA	1962-1967	3 to 12	899,750	Kanner	Case enumeration	(0.0-1.0)	NR
Wing & Gould	1979	England	1970	0 to 14	35,000	Kanner	Case enumeration and direct exam	0.49 (0.29-0.78)	70
Hoshino et al. <sup>1</sup>	1982	Japan	1977	0 to 17	234,039	Kanner	Case enumeration and direct exam	0.23 (0.19-27)	NR
Ishii & Takahashi	1983	Japan	1981	6 to 12	35,000	Rutter	Case enumeration and direct exam	1.6 (1.2-2.8)	NR
Bohman et al.	1983	Sweden	1979	0 to 20	69,000	Rutter	Case enumeration and direct exam	0.3 (0.2 - 0.5)	NR
McCarthy et al.	1984	Ireland	1978	8 to 10	65,000	Kanner	Case enumeration and direct exam	0.43 (0.29-0.59)	NR
Gillberg	1984	Sweden	1980	4 to 18	128,584	DSM-III	Case enumeration and direct exam	0.20 (0.13-0.30)	80,77
Steinhausen et al.	1986	Germany	1982	0 to 14	279,616	Rutter	Case enumeration and direct exam	0.19 (0.14-0.24)	44
Steffenberg & Gillberg	1986	Sweden	1984	< 10	78,413	DSM-III	Case enumeration and direct exam	0.45 (0.31-0.62)	NR
Matsuishi et al.	1987	Japan	1983	4 to 12	32,834	DSM-III	Case enumeration and direct exam	1.55 (1.16-1.64)	NR
Burd et al.	1987	USA	1985	2 to 18	180,986	DSM-III	Case enumeration and direct exam	0.12 (0.00-0.20)	NR
Bryson et al.	1988	Canada	1985	6 to 14	20,800	DSM-III	Case enumeration and direct exam	1.01 (0.62-1.54) 1.38	76
Tanoue et al.	1988	Japan	1977-1985	3 to 7	95,394	DSM-III	Case enumeration	(1.16-1.64)	NR

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Cialdella & Mamelle	1989	France	1986	3 to 9	135,180	DSM-III	Case enumeration	0.51 (0.39-0.63)	NR
Sugiyama & Abe	1989	Japan	1979-1984	2 to 5	12,263	DSM-III	Population screen and direct exam	1.3 (0.7 - 2.1)	38
Ritvo et al.	1989	USA	1984-1988	8 to 12	184,822	DSM-III	Case enumeration and direct exam	0.40 (0.31 - 0.50)	NR
Gillberg et al.	1991	Sweden	1988	4 to 13	78,106	DSM-III-R	Case enumeration and direct exam	0.95 (0.74-1.95)	82,80
Fombonne & Mazaubrun <sup>1</sup>	1992	France	1985	9 to 13	274,816	ICD-10	Case enumeration and direct exam	0.49 (0.47-0.65)	87
Honda et al.	1996	Japan	1994	1.5 to 6	8,537	ICD-10	Population screen and direct exam	2.11 (1.25-3.33)	50
Fombonne et al.	1997	France	1992-1993	16-Aug	325,347	ICD-10	Case enumeration and direct exam	0.54 (0.46-0.62)	88
Arvidsson et al.	1997	Sweden	1994	3 to 6	1,941	ICD-10	Population screen and direct exam	3.10 (1.14-6.72)	100
Webb et al.	1997	Wales	1992	3 to 15	73,300	DSM-III-R	Case enumeration and direct exam	0.72 (0.54-0.95)	NR
Sponheim & Skjeldae	1998	Norway	1992	3 to 14	65,688	ICD-10	Case enumeration and direct exam	0.38 (0.25-0.56)	64
Kadesjo et al.	1999	Sweden	1992	6.7-7.7	826	ICD-10	Case enumeration and direct exam	6.0 (1.97-14.1)	60
Baird et al.	2000	England	1998	1.5 to 8	16,235	ICD-10 DSM-III-R or DSM-IV	Population screen and direct exam	3.1 (2.29-4.06) 0.96 1.22	40 NR
Powell et al.	2000	England	1995	1 to 4	29,200	DSM-IV	Case enumeration	(0.64-1.39)	
Kielinen et al.	2000	Finland	1996	18-Mar	152,732	DSM-IV	Case enumeration	(1.06-1.41)	50
Magnusson & Saemundsen	2000	Iceland	1997	5 to 14	43,153	ICD-10	Population screen and direct exam	0.86 (0.60-1.18)	49

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Chakrabarti & Fombonne	2001	England	1998	2.5 to 6.5	15,500	DSM-IV	Population screen and direct exam	1.68 (1.1-2.46)	24
Fombonne et al. <sup>2</sup>	2001	UK	1999	5 to 15	12,529	DSM-IV	Population screen and direct exam	2.61 (1.81, 3.70)	44.4
Bertrand et al.	2001	USA	1998	3 to 10	8,996	DSM-IV DSM-III-R or DSM-IV	Case enumeration and direct exam	4.0 (2.8-5.5) 1.1	49
Croen et al. Yeargin-Allsopp et al. <sup>2</sup>	2001	USA	1987-1999	0 to 21	4,600,000	DSM-IV	Case enumeration	3.4 (1.06-1.14)	NR
Gurney et al. <sup>2</sup>	2003	USA	1996 1981-1982, 2001-2002	3 to 10	290,000	DSM-IV	Case enumeration	4.4 (3.2-3.6)	62
Lingam et al	2003	UK	2000	5 to 14	186,206	ICD-10	Case enumeration	1.5 (4.3-4.5) 3.9	NR
Icasiano et al	2004	Australia	2002	2 to 17	45,153	DSM-IV	Case enumeration	1.2 (3.3-4.5)	47
Lauritsen et al	2004	Denmark	2001	0 to 9	682,397	ICD-10	Case enumeration	2.16 (1.1-1.3)	NR
Fombonne et al	2006	Canada	1987-1998	5 to 21	27,749	DSM-IV	Case enumeration Case enumeration, screen and direct exam	3.89 (1.65, 2.78)	NR
Baird et al CDC ADDM Network <sup>1</sup>	2006	UK	1990-1991	9 to 10	56,946	ICD-10	Case enumeration and record review	6.7 (3.39 - 4.43)	56
CDC ADDM Network <sup>1</sup>	2007	USA	2000	8	187,761	DSM-IV	Case enumeration and record review	6.6 (6.3 - 7.0)	36-61
Oullette-Kuntz et al Wong et al <sup>1</sup>	2007	Canada	1996-2004	4 to 9	2,240,537	special education classification from special education	Case enumeration	4.3 (NR) (2004)	NR
	2008	Hong Kong	1986-2005	0 to 14	4,247,206	DSM-IV	Case Enumeration	1.6 (NR)	NR
Williams et al Montiel-Navia et al	2008	Australia	2003-2004	6 to 12	5,459	DSM-IV	Questionnaires	4.1 (3.8-4.4)	NR
	2008	Venezuela	2005-2006	3 to 9	254,905	DSM-IV	Case enumeration Case enumeration from survey and direct	1.7 (1.3-2.0)	NR
Baron-Cohen et al	2009	UK	2003- 2004	5 to 9	5,484	special Needs Register (SNF exam)		15.7 (9.9-24.6)	NR

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CDC ADDM Network <sup>1</sup>	2009	USA	2004	8	172,335	DSM-IV	Case enumeration and record review	8.0 (7.6-8.4)	44
CDC ADDM Network <sup>1</sup>	2009	USA	2006	8	308,038	DSM-IV	Case enumeration and record review	9.0 (8.6-9.3)	41
Al-Farsi et al	2010	Oman	Jun-Dec 2009	0-14	798,913	DSM-IV	Case enumeration	0.1 (0.1-0.2)	NR
Parner et al	2011	Denmark	1994-1999	children	404,816	DSM-IV	Case enumeration	6.9 (6.5-7.2)	NR
Parner et al	2011	Western Australia	1994-1999	children	152,060	DSM-IV	Case enumeration	5.1 (4.7-5.5)	NR
Chien et al	2011	Taiwan	1996-2005	0-18	372,642	ICD-9	Case enumeration	2.9 (NR) 4.7 (4.2-5.1) (1994); 4.7 (4.2-5.2)	NR
Windham et al.	2011	USA	1994, 1996 (birth	0-8 (1996) 26213; 29,494;	82,153 (1994), 80,249	DSM-IV	Case enumeration	6.5 (5.5-7.5) 10.2 (9.1-11.3)	NR
Zimmerman et al	2011	USA	2002, 2006, 2008 <sup>2</sup>	8	33,757	CD-9 and special education	Case enumeration	13.0 (11.8-	NR
Kim et al	2011	South Korea	2005-2009	7-12	55,266	DSM-IV	Case enumeration from survey and direct exam	26.4 (19.1-33.7)	59% high-probability ASD; 16% general population sample

<sup>1</sup> The prevalence reported represents the average

<sup>2</sup> The prevalence study provided overall rate only

<sup>3</sup> 64% had MR based IQ data and 68% had cognitive impairment based on IQ and developmental tests